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displaying a right image on a right display using a first portion of a source image signal, the first portion comprising a first reduced data set defining the entire image; and

displaying a left image on a left display using a second portion of the source image signal, the second portion of the source image signal differing from the first portion of the source image signal, the second portion comprising a second reduced data set defining the entire image.

16. (Amended) An image display device, the device comprising:

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a controller arranged to utilize a first portion of image signal data to generate a right display signal, and to utilize a second portion of image signal data to generate a left display signal, the first portion of the image signal data and the second portion of the image signal data being obtained from a source image signal, the first portion comprising a first reduced data set defining the entire image, and the second portion comprising a second reduced data set defining the entire image;

a right display operably connected to the controller to receive the right display signal and to utilize the right display signal to display a right image to a right eye of a user; and

a left display operably connected to the controller to receive the left display signal and to utilize the left display signal to display a left image to a left eye of a user, wherein the right display signal differs from the left display signal.

REMARKS

Claims 1-20 are pending. By this amendment, claims 1, 10, and 16 are amended. No new matter is introduced. Reconsideration and allowance of the claims is respectfully requested.

On page 2 the Office Action rejects claims 1-20 under 35 U.S.C. § 102(e) over U.S. Patent 5,589,956 to Morishima et al. (hereafter Morishima). This rejection is respectfully traversed.

Regarding claim 1, the Office Action asserts that Morishima shows a method of displaying images using an image display device having two displays, dividing image data into a first portion and a second portion, the first portion differing from the second portion, generating a right display signal using the first portion of the image signal data, generating a left display signal using the second portion of the image display signal, transmitting the right display signal to the right one of the displays, transmitting a left display signal to a left one of the displays, displaying a right image on the right display

from the right display signal and displaying a left image on the left display from the left display signal, substantially simultaneously with displaying of the right image.

Morishima is directed to an image display apparatus that generates a synthesized image by interpolating information between pixels from an image to create a holographic display. Referring to Figure 19 from Morishima (referred to repeatedly in the Office Action as disclosing the elements of claim 1), the accompanying specification, at column 14, lines 30-40 clearly states that the arrow image shown in the upper section of Figure 19 is used to generate "identical arrow images." The identical arrow images are represented by pixels, which are shown in Figure 19 as circles and squares "for the sake of simplicity." The identical arrow images are then shifted by the holographic optical element 78 such that they are displaced by one half the pixel on a virtual image plane 82. The thus-displaced pixels are then averaged to yield a high definition image. See column 14, lines 43-45. Thus, the apparatus and method shown in Figure 19, and discussed in the accompanying specification, provides a single image and not a image divided into a first portion and a second portion.

In an embodiment of the Morishima device, shown in Figures 28A and 28B, a three dimensional image is generated using a process similar to that shown in Figure 19 of Morishima. However, there is nothing in Figures 28A and 28B and the accompanying detailed description that suggests that an image is divided into a first portion and a second portion and displayed separately to a left eye and a right eye of an observer.

In contrast to Morishima, claim 1, as amended, recites dividing an image signal into a first portion, the first portion comprising a first reduced data set defining the entire image, and a second portion, the second portion comprising a second reduced data set comprising the entire image. This amendment to claim 1 is supported at least in Figures 8A, 8B and 9, wherein an image representing the letter R is shown in Figures 8A and 8B as represented by columns and rows of pixels, which when combined in Figure 9 provides a high resolution image. That is, each of Figures 8A and 8B show an entire image of the letter R, but each is a reduced data set from that shown in Figure 9. This feature is not disclosed or suggested by Morishima, and claim 1 is patentable.

Claim 10, as amended, recites the feature of displaying a right image on a right display using a first portion of a source image signal, the first portion comprising a first reduced data set defining the entire image, and displaying a left image on a left display device using a second portion of the source image signal, the second portion source image signal differing from the first portion of the source image signal, the second portion

comprising a second reduced data set defining the entire image. As with claim 1, these features are not disclosed or suggested by Morishima, and claim 10 is patentable.

Claim 16 is an apparatus claim that recites features similar to those in claim 10. As with claim 10, the features recited in claim 16 are not disclosed or suggested by Morishima, and claim 16 is patentable.

On page 3 the Office Action asserts, regarding claims 2 and 17, that Morishima shows the image signal data includes data capable of describing a source image arrangible into an array of columns of rows. To support this assertion, the Office Action refers to Figure 19 of Morishima. There is nothing in Figure 19 of Morishima, or in the accompanying detailed description, that discloses or suggests that image data is arrangible into an array of columns and rows. In fact, the Office Action essentially repeats all of the elements of claims 2 and 17, and then makes a general assertion that these elements are disclosed by Morishima without pointing to any specific part of Morishima, other than Figure 19, for this proposition. In fact, claims 2 and 17 recite features that are not disclosed or suggested by Morishima and thus claims 2 and 17 are patentable. In addition, claim 2 depends from patentable claim 1, and claim 17 depends from patentable claim 16, and for this additional reason, claims 2 and 17 are patentable.

On page 3 the Office Action asserts, regarding claim 3, that Morishima shows a step of selecting a left set of image data values that includes a step of selecting image data values of which none are included in the right sided image data value, and refers for this proposition to Figure 19. As discussed above with respect to claim 1, Figure 19, and the accompanied detailed description, refer to an identical arrow image wherein pixels are shifted about half a pixel and then combined to produce a synthesized image. Because the arrow images are identical, the Office Action's assertion that the left set image data is not included in the right set of image data is not correct. Thus Morishima does not disclose or suggest all the elements of claim 3, and claim 3 is patentable. In addition, claim 3 depends from patentable claim 1, and for this additional reason, claim 3 is patentable.

Regarding claims 4-9, 11-15 and 18-20, these claims all depend from patentable independent claims 1, 10, or 16, and for this reason and the additional features they recite, claims 4-9, 11-15, and 18-20 are also patentable.

In view of the above amendments and remarks, the Applicant respectfully submit that claims 1-20 are patentable. Withdrawal of the rejection of claims 1-20 under 35 U.S.C. § 102(e) is respectfully requested. Should the Examiner determine that anything

further is necessary to place the application in condition for allowance, the Examiner is respectfully requested to contact the Applicant's undersigned representative at the telephone number listed below.

The Commissioner is hereby authorized to charge any additional fees, or credit any overpayment, caused by this filing to Deposit Account Number 08-2025

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached pages are captioned "**Version with markings to show changes made.**"

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Respectfully submitted,



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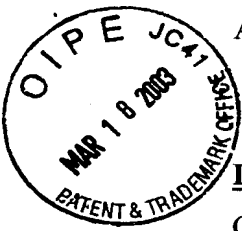
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Attachment: Version With Markings To Show Changes Made



VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 1, 10, and 16 have been amended as follows:

1. (Amended) A method of displaying images using an image display device having two displays, each display being arranged in the image display device so as to be capable of presenting an image to an eye of a user, the method comprising:

dividing image signal data into a first portion, the first portion comprising a first reduced data set defining the entire image, and a second portion, the second portion comprising a second reduced data set defining the entire image, the first portion differing from the second portion;

generating a right display signal using the first portion of the image signal data;

generating a left display signal using the second portion of the image signal data;

transmitting the right display signal to a right one of the displays;

transmitting the left display signal to a left one of the displays;

displaying a right image on the right display from the right display signal; and

displaying a left image on the left display from the left display signal, substantially simultaneously with the displaying of the right image.

10. (Amended) A method of displaying images using an image display device having two displays, each display being arranged in the image display device so as to be capable of presenting an image to an eye of a user, the method comprising:

displaying a right image on a right display using a first portion of a source image signal, the first portion comprising a first reduced data set defining the entire image; and

displaying a left image on a left display using a second portion of the source image signal, the second portion of the source image signal differing from the first portion of the source image signal, the second portion comprising a second reduced data set defining the entire image.

16. (Amended) An image display device, the device comprising:

a controller arranged to utilize a first portion of image signal data to generate a right display signal, and to utilize a second portion of image signal data to generate a left display signal, the first portion of the image signal data and the second portion of the image signal data being obtained from a source image signal, the first portion comprising a first reduced data set defining the entire image, and the second portion comprising a second reduced data set defining the entire image;

a right display operably connected to the controller to receive the right display signal and to utilize the right display signal to display a right image to a right eye of a user; and

a left display operably connected to the controller to receive the left display signal and to utilize the left display signal to display a left image to a left eye of a user, wherein the right display signal differs from the left display signal.